

## Chiccine, Catherine

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**From:** Knowles, Susan B <SKnowles@ameren.com>  
**Sent:** Tuesday, December 6, 2022 10:25 AM  
**To:** Chiccine, Catherine  
**Subject:** RE: Analytical Results and Request for Action in the Elm Point Wellfield, City of St. Charles

Today works for both Joe and I.

Sbk

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**From:** Chiccine, Catherine <[chiccine.catherine@epa.gov](mailto:chiccine.catherine@epa.gov)>  
**Sent:** Tuesday, December 6, 2022 10:11 AM  
**To:** Knowles, Susan B <SKnowles@ameren.com>  
**Subject:** [EXTERNAL] RE: Analytical Results and Request for Action in the Elm Point Wellfield, City of St. Charles

Yes – Rachel and I are both available the following dates and times:

Tues Dec. 6, 3-4 pm  
Wed Dec. 7, 10-12, 1-2 pm  
Thurs Dec. 8, 10-12

Let me know what works for you all and I can set something up.

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**From:** Knowles, Susan B <[SKnowles@ameren.com](mailto:SKnowles@ameren.com)>  
**Sent:** Tuesday, December 6, 2022 10:06 AM  
**To:** Chiccine, Catherine <[chiccine.catherine@epa.gov](mailto:chiccine.catherine@epa.gov)>  
**Subject:** RE: Analytical Results and Request for Action in the Elm Point Wellfield, City of St. Charles

Thank you.

Would you have time this week, perhaps with Rachel, to discuss the Consent Decree process and next steps regarding ongoing work with Joe Madonia and I?

I think 30 minutes would be sufficient.

Sbk

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**From:** Chiccine, Catherine <[chiccine.catherine@epa.gov](mailto:chiccine.catherine@epa.gov)>  
**Sent:** Tuesday, December 6, 2022 10:01 AM  
**To:** Knowles, Susan B <[SKnowles@ameren.com](mailto:SKnowles@ameren.com)>  
**Subject:** [EXTERNAL] FW: Analytical Results and Request for Action in the Elm Point Wellfield, City of St. Charles

**EXTERNAL SENDER STOP.THINK.QUESTION.**

Verify unexpected requests before opening links or attachments.

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**From:** Todd Aseltine <[todd.aseltine@212environmental.com](mailto:todd.aseltine@212environmental.com)>

**Sent:** Friday, December 2, 2022 5:14 PM

**To:** Howell, Tonya <[Howell.Tonya@epa.gov](mailto:Howell.Tonya@epa.gov)>

**Cc:** Sperry, Clint <[Sperry.Clint@epa.gov](mailto:Sperry.Clint@epa.gov)>; feyi.ilesanmi@dnr.mo.gov; McDonald, Brenna <[brenna.mcdonald@dnr.mo.gov](mailto:brenna.mcdonald@dnr.mo.gov)>; Chiccine, Catherine <[chiccine.catherine@epa.gov](mailto:chiccine.catherine@epa.gov)>; [brian.quinn@dnr.mo.gov](mailto:brian.quinn@dnr.mo.gov); Graven, TJ <[tj.graven@dnr.mo.gov](mailto:tj.graven@dnr.mo.gov)>; Hannah Humphrey <[hannah.humphrey@dnr.mo.gov](mailto:hannah.humphrey@dnr.mo.gov)>; Brown, Randolph <[Brown.Randolph@epa.gov](mailto:Brown.Randolph@epa.gov)>; Michael Cullen <[Michael.Cullen@stcharlescitymo.gov](mailto:Michael.Cullen@stcharlescitymo.gov)>; Nicholas Galla <[Nicholas.Galla@stcharlescitymo.gov](mailto:Nicholas.Galla@stcharlescitymo.gov)>; John Phillips <[John.Phillips@stcharlescitymo.gov](mailto:John.Phillips@stcharlescitymo.gov)>; Brad Temme <[Brad.Temme@stcharlescitymo.gov](mailto:Brad.Temme@stcharlescitymo.gov)>; Larry Dobrosky <[Lawrence.Dobrosky@stcharlescitymo.gov](mailto:Lawrence.Dobrosky@stcharlescitymo.gov)>; Lawrence Perney <[lawrence.perney@stcharlescitymo.gov](mailto:lawrence.perney@stcharlescitymo.gov)>; Ndubuka, Chinwe <[chinwe.ndubuka@dnr.mo.gov](mailto:chinwe.ndubuka@dnr.mo.gov)>; Paul Michalski <[paul.michalski@212environmental.com](mailto:paul.michalski@212environmental.com)>

**Subject:** Analytical Results and Request for Action in the Elm Point Wellfield, City of St. Charles

Tonya-

Good evening. As you know, the City of St. Charles has taken it upon itself to collect weekly water samples from the influent and effluent at the drinking water treatment plant. Yesterday, December 1, 2022, results from water samples collected on November 15, 2022 were received and indicated that vinyl chloride was detected within the influent of the drinking water treatment plant. I am providing a copy of the laboratory analytical report. This detection of vinyl chloride is extremely concerning to the City of St. Charles and requires immediate actions to be taken.

Earlier today, I received analytical results from groundwater samples collected during the week of November 14 – 18, 2022. The laboratory analytical results indicated that vinyl chloride was detected within City drinking water well CW-9. I have attached the laboratory analytical results for drinking water well CW-9. In response to the detection of vinyl chloride, the City of St. Charles has suspended operation of this critically important well, which provides more than half of the current water generated from the Elm Point Wellfield each day. There are now only two out seven drinking water wells in operation within the Elm Point Wellfield, and as a result the City of St. Charles will need to purchase even more water from the City of St. Louis to meet demand.

Also, shutting down City Well CW-9 will have an impact on the distribution system. Since the City of St. Louis water supply is on the southern edge of the City, the City will be required to increase pressures in the distribute water towards the northern edge of the City near the water treatment plant. The City has placed staff on standby to respond to any water main breaks that may result from these changes in pressure.

Based on these results and our continued concern of the increasing concentrations of cis-1,2-dichloroethene and vinyl chloride in the area north of the Ameren substation, we are again reiterating our request that additional activities be performed by Ameren including:

- Collect samples for laboratory analysis of the constituents of concern from the influent and effluent at the drinking water treatment plant at a minimum two (2) times per week with expedited lab results
- Collect weekly samples for laboratory analysis of the constituents of concern from groundwater monitoring within well PZ-11, PZ-3, PZ-12, and MW-C17, as well as production wells CW-6, CW-8, and CW-9
- Upgrade the City of St. Charles drinking water treatment plant to remove volatile organic compounds and allow the City to operate the drinking water wells without the risk of contaminated water being distributed to residents
- Relocate the City of St. Charles wellfield to an area free of contamination

As conditions continue to deteriorate in the Elm Point Wellfield and the contamination continues to migrate from the Ameren Huster Road Substation, it is becoming more imperative that the USEPA and Ameren work to develop a plan that ensures protection of drinking water for the City of St. Charles residents and businesses.

If you have any questions regarding the data, please let me know.

**Todd Aseltyne, P.G.**  
Geologist

**212 Environmental Consulting, LLC.**  
1776 Mentor Avenue  
Cincinnati, Ohio 45212

419-309-0603  
[todd.aseltyne@212environmental.com](mailto:todd.aseltyne@212environmental.com)



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